Residue Management - 329

KS-ECS-329 7/03

اسا		(CHECK ONE)			
No-till/Strip-till (329A)		⊠ Mulch-till (329B)	Ridg	je-ti	II (329C)
Name: Ima Farmer		Date: 7/18/02	Ident.	No.:	F 29, Tract 20
Legal Desc.: <u>NE 1/4, Sec 9, T 12, R 38</u>		Field No.: <u>1,2,and 4</u>	County:	Ells	worth
Identified resource concerns: Sheet and rill erosion					
Producer objectives: Reduce input losse	es ar	nd increase crop production			
Scope: This specification provides guide and the producer's objectives. The spec on the soil surface.					
Purpose of establishment: (Select all that	at ap	ply)			
□ Reduce water erosion		Mitigate potential pollution			Reduce wind erosion
		Improve wildlife habitat (food a	nd cover)		Other
		Manage snow cover for plant a	vailable water		

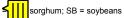
Table 1: Specifications and Application Record

Tract/	Crop to be	Previous crop	Orientation	Height (inches)	Critical season(s)	Pounds of residue		Percent residue	
field	planted	residue	(standing or flat)			Planned	Applied	Planned	Applied
1,2,4	ww	SB	Flat		Feb - May			65%	65%
	DSB	ww	Standing	6"	Feb - May			70%	70%
	GS	WWSB	Standing	3"	Feb - May			15%	15%
	SB	GS	Flat		Feb - May			20%	20%
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Notes: If residue is managed for wildlife benefits, describe planned wildlife provisions. Also use this space to describe row direction, grade restrictions, or other site-specific requirements. (Use arrow key to advance to next line.)

WW = winter wheat, DSB = double crop soybeans; GS

Comments: (Use arrow key to advance to next line.)



Comment: Pertains to percentage immediately after planting the crop listed and is the minimum level required to meet soil loss objectives.

Comment: Include legend for table abbreviations.





Legal Desc.: NE 1/4, Sec 9, T 12, R 38

Table 2: Design Worksheet for Estimating Crop Residue Produced (for planned rotation)

To activate this table, open and save Form KS-ECS-329wksht.xls to the hard drive of your personal computer. Double click the table to enter values. Position the table and click outside the table to exit and save entries.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Crop	Harvest units	Yield	Lbs	Estimated lbs	Estimated	Instructions to estimate values for
			residue/unit	residue/acre	percent ground	columns 5 and 6
			yield		cover	
WW	BU	50	102	5100	100%	
DSB	BU	30	75	2250	100%	Multiply column 3 by column 4 to estimate total pounds of residue
GS	BU	85	56	4760	85%	available after harvest.
SB	BU	40	75	3000	70%	
				0		Table 3 of construction specifications
				0		(codes 329A, 329B, and 329C) can
				0		be used to convert pounds of residue/acre (column 5) to percent
				0		ground cover (column 6)
				0		, ,
				0		

Notes: WW=winter wheat; DSB = double crop soybeans; GS = grain sorghum; SB = soybeans; BU = bushels

Information in column 7 is used in Table 3 as an estimate of beginning ground cover for each crop in the rotation.

Table 3: Design Worksheet for Residue Budget

Previous crop	Beginning residue	Operation	Date	Percent retained	Percent residue left
SB	70%	Double disk opener, no-till drill	10/15	90%	65%
ww	100%	Double disk opener, no-till drill	7/1	90%	90%
DSB	90%	Chisel	3/15	50%	45%
DSB	45%	Disk, light	4/1	50%	25%
DSB	25%	Field cultivate	4/25	70%	20%
DSB	20%	Planter, double disk opener	5/1	85%	15%
GS	85%	Disk	4/1	50%	45%
GS	45%	Field cultivate	4/5	70%	30%
GS	30%	Double disk opener, no-till drill	5/1	90%	25%
	Crop SB WWW DSB DSB DSB DSB GS GS	crop residue SB 70% WW 100% DSB 90% DSB 45% DSB 25% DSB 20% GS 85% GS 45%	crop residue Operation SB 70% Double disk opener, no-till drill WW 100% Double disk opener, no-till drill DSB 90% Chisel DSB 45% Disk, light DSB 25% Field cultivate DSB 20% Planter, double disk opener GS 85% Disk GS 45% Field cultivate	crop residue Operation Date SB 70% Double disk opener, no-till drill 10/15 WW 100% Double disk opener, no-till drill 7/1 DSB 90% Chisel 3/15 DSB 45% Disk, light 4/1 DSB 25% Field cultivate 4/25 DSB 20% Planter, double disk opener 5/1 GS 85% Disk 4/1 GS 45% Field cultivate 4/5	crop residue Operation Date retained SB 70% Double disk opener, no-till drill 10/15 90% WW 100% Double disk opener, no-till drill 7/1 90% DSB 90% Chisel 3/15 50% DSB 45% Disk, light 4/1 50% DSB 25% Field cultivate 4/25 70% DSB 20% Planter, double disk opener 5/1 85% GS 85% Disk 4/1 50% GS 45% Field cultivate 4/5 70%

Notes: (Use arrow key to advance to next line.

WW = winter wheat; DSB = double crop soybeans; GS = grain sorghum; SB = soybeans

Comment: Round to the nearest five percent.

Comment: Include legend for table abbreviations.



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Legal Desc.: NE 1/4, Sec 9, T 12, R 38

Technical Service Provide	er
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Signature	7/18/02
Layout by	Date
Signature	7/18/02
Designed by	Date
Signature	7/18/02
Checked by	Date
Signature	7/18/02
Approved by	Date

Producer's Statement

The design of this practice has been discussed with me, and I
concur with the design. No substitutions are allowed without
the approval of the technical service provider

Signature 7/18/02 Date

Certification

This applied practice meets Kansas standards and specifications.

Signature 8/1/03
Technical Service Provider Date

This practice has been applied as designed.

 Signature
 8/1/03

 Producer
 Date